

Title (en)

Apparatus with A/D converter for processing television signal

Title (de)

Fernsehsignalverarbeitungsvorrichtung mit A/D-Wandler

Title (fr)

Appareil comprenant un convertisseur analogique-numérique pour le traitement d'un signal de télévision

Publication

**EP 0777391 A3 19970924 (EN)**

Application

**EP 96119124 A 19961128**

Priority

- JP 31210795 A 19951130
- JP 31210595 A 19951130
- JP 31210695 A 19951130
- JP 31210895 A 19951130
- JP 31210995 A 19951130
- JP 31211095 A 19951130

Abstract (en)

[origin: EP0777391A2] An apparatus for processing television signal includes an A/D converter which converts a television signal (a luminance signal) into a digital television signal. A sampling circuit samples television signal data outputted from the A/D converter in response to a sampling clock outputted from a VCO included in a PLL, and outputs sampled data. An output of the A/D converter is also applied to a band elimination filter which outputs luminance signal data that a chrominance signal component is completely eliminated. The sampled data and the luminance signal data are compared with each other by a comparator, and an output of the comparator is applied to a low-pass filter included in the PLL during a burst period. An output of the low-pass filter becomes a control voltage signal for the VCO, whereby an oscillation frequency (phase) of the VCO is controlled. <IMAGE>

IPC 1-7

**H04N 9/78**

IPC 8 full level

**H04N 9/45** (2006.01); **H04N 9/78** (2006.01)

CPC (source: EP KR US)

**H04N 9/45** (2013.01 - EP KR US); **H04N 9/77** (2013.01 - KR); **H04N 9/78** (2013.01 - EP US)

Citation (search report)

- [XA] US 4527145 A 19850702 - HAUSSMANN WOLFGANG [DE], et al
- [A] EP 0472332 A1 19920226 - VICTOR COMPANY OF JAPAN [JP]
- [A] EP 0461896 A2 19911218 - QUESTECH LTD [GB]
- [A] US 4670776 A 19870602 - MATSUMOTO TOKIKAZU [JP]
- [A] US 4291332 A 19810922 - KATO MASAOKI, et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 6, no. 151 (E - 124) 11 August 1982 (1982-08-11)

Designated contracting state (EPC)

DE GB

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